



# **FastTrak TX866X/TX4660**

## **Release Note**

Version 1.6

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# Release Note

## 1 Driver

### 1.1 Can't install Vista/Server 2008 with 2 or more than 2 Logical Drives

**Problem:**

If there are more than 1 LDs, beside LD1, user cannot choose other LDs to install OS.

**Status:****Solution 1:**

First, just create one Logical Drive and complete the installations. Secondary, create other Logical Drives. And then all Logical Drives will work properly.

**Solution 2:**

Make all LDs partitioned. Users can partition LDs by MS-DOS or, during OS installation, by clicking "Drive options" and then "New" to make all LDs partitioned.

### 1.2 Can't install Vista 64-bit OS on some M/Bs

**Problem:**

Users cannot install Vista 64-bit OS on some M/Bs.

**Status:****Fix.**

Please update the MB BIOS.

### 1.3 Not support NCQ of All Hitachi SATA drive

**Problem:**

Hitachi SATA drive had NCQ issue itself,

1. Sometimes it will timeout and maybe disconnect to the host.
2. Sometimes it will have flush command error

**Status:****Fix.**

Driver and WebPAM will not let user to enable NCQ of Hitachi drives.

#### 1.4 Create a LD and choose "Gigabyte Bounding", but the LD capacity is not Gigabyte Bounded.

**Problem:**

By Raid data handling is based on Stripe Block Size.

When create a LD, the size will divide by stripe block size of RAID engine, and the divided size will small than the Gigabyte Boundary.

For example, if create a LD with 10 Gigabyte, RAID engine will divide it by stripe block size (such as 16K), so the LD size will become 9.99G (9,999,990,784 byte).

$9,999,990,784 = ((10 * 1000 * 1000 * 1000) / (16 * 1024)) * (16 * 1024)$

**Status:**

**No Fix.**

#### 1.5 System BIOS boot sequence difference Logical Drive(HDD) sequence when selected Logical Drive(HDD) at installed OS.

**Problem:**

Some system BIOS of MB based PnPHeader to order boot sequence, but they caused of boot sequence difference LD(HDD) sequence when installed OS.

**Status:****Solution :**

1. Reboot the system, let system BIOS and OS to scan LD(HDD) and ordering the sequence again.
2. User could direct into system BIOS to set boot sequence or 1. not solve the issue.
3. If 1. and 2. both not solved the issue, please checked the issue with vendor of MB or vendor of HBA, and updated BIOS of MB or BIOS of HBA.

## 1.6 Error Code 0xE0000100 Occurs and OS Installation Cannot Continue on Vista/Server 2008

### Problem

If we create 16 LDs on FastTrak TX8660 and try to install Vista x86 or Server 2008 x86. After loading Windows Driver, an error message with error code 0xE0000100 will appear. The installation procedure cannot proceed anymore.

### Status

There is a Microsoft KB that indicates this Bug.

<http://support.microsoft.com/kb/939727/en-us>

However, the description inside this article is not similar to what we meet. The OS version we used is already Vista SP1. It seems not much help for us. Before we contact Microsoft for technical support, here we provide a temporary workaround.

### Solution

If users suffer this malfunction, one solution is to decrease the number of LD (14 looks like safe), either by deleting some LDs or by unplugging some physical disks. Below are some experiments we did.

Platform \ OS	Vista SP1	Server 2008
Asus P5WD2-Premium	15	14
Asus DSBV-D	16	16
Asus P5N32-E	15	14
Abit FP-IN9	16	16
TYAN S2915	16	16
TYAN S5397	16	16
MSI DKA790GX-Premium	16	16
Gigabyte GA X38T-DQ6	16	16

## 1.7 When Installing Windows 2000 on TX8660, System may Shows there's No Hard Drive Available or Encounter Error Code (0x4, 0x1, 0, 0)

### Problem

When users try to install Windows 2000 on TX8660, in the phase that OS bringing up TX8660 SCSI driver, sometimes system says there's no hard drive available or encounters an error code (0x4, 0x1, 0, 0).

### Status

### Solution

Make sure the LD number created on TX8660 is less than 8 before starting to install OS. After you finish the installation, you can create other LDs if needed

**1.8 System BIOS scan HBA sequence difference OS scan HBA sequence cause of OS boot fail.****Problem:**

Some system BIOS of MB scan HBA (PCI device) sequence different OS scan sequence.  
The cause would cause driver read fault from LD and OS boot fail.

**Status:****Solution :**

Modify boot file to used correct device

1. /etc/fstab
2. /boot/grub/menu.lst

**1.9 Start computer fail after Insert HBA on MB TYAN s2696WA2NRF.****Problem:**

Turn on power to start computer after insert HBA on the MB at power stand by state. Need plug power connector or turn of power switch to revive stand by power and start computer.

**Status:**

User manual of TYAN s2696WANRF section 2.8, it highlight note said “**You must always unplug the power connector from the motherboard before performing system hardware change. Otherwise you may damage the board and/or expansion device**”.

**Solution :**

Turn off power to insert new hardware.

## 2 WebPAM

### 2.1 WebPAM NetSend feature doesn't support Windows Vista and Windows Server 2008

**Problem:**

NetSend feature cannot work on Windows Vista.

**Status:**

NetSend feature depends on Messenger service, but Messenger service is no longer available in Windows Vista and Windows Server 2008. So WebPAM NetSend feature will not support Windows Vista and Windows Server 2008.

For more details, please see attached files.



ms630960.aspx.htm



Messenger\_Service.htm

**No Fix.**

### 3 Incompatible

#### 3.1 ASIC Incompatible

Vendor	Model	North Bridge	South Bridge	Solution
HP	Compaq dc7100CMT	Intel® 915GV		No

#### 3.2 BIOS Incompatible

Vendor	Model	North Bridge	South Bridge	Solution
MSI	MS-96C8	INTEL P965	ICH8R	No

#### 3.3 M/B Incompatible

Vendor	Model	North Bridge	South Bridge	Solution
ASUS	P5B Premium	INTEL P965	ICH8R	Yes, Change SBIOS PCI-E Setting.
SUPERMICRO	PDSBA	INTEL G965	FW82801HB(ICH8)	Yes, Change SBIOS PCI-E Setting.
DFI	975X/G	Intel® 975X	Intel® ICH7R	No, only on PCI-Ex16 slot2 attach PCI-Ex16 VGA PCI-Ex16 slot1 attach PCI-Ex1 or x4 HBA
IBM	IBM X3250 SYSTEM	Intel 3200		No, IBM X3250 SYSTEM limitation, only insert PCI-Ex8 pass, other PCI-Ex1,PCI-Ex4 fail,